

APK/34

Claims

- Sub A
1. A digital apparatus comprising:
- (a) means for receiving from a peripheral device, interconnected by a digital bus, bit-mapped data representative of an on-screen display associated with said peripheral device;
- (b) means for receiving a digital stream representative of a programmed event; and
- (c) means for combining, in said digital apparatus, said bit-mapped data received from said peripheral device and said digital stream to produce a signal representative of a combined displayable image.
2. The digital apparatus of claim 1 further comprising:
- (a) means for receiving subsequent bit-mapped data representative of an updated portion of said previously received data; and
- (b) means for updating said combined displayable image with said received subsequent bit-mapped data to produce an updated combined displayable image, said updated combined displayable image being associated with said peripheral device.
3. The digital apparatus of claim 2 wherein a portion of said combined displayable image is overwritten, said digital apparatus further comprising :
- (a) means for requesting from said peripheral device said bit-mapped data corresponding to said overwritten portion of said combined displayable image; and
- (b) means for receiving from said peripheral device said bit-mapped data.
4. The digital apparatus of claim 3 further comprising:
- means for selecting said peripheral device from a plurality of available peripheral devices interconnected by said digital bus.

AMENDED SHEET

means for notifying said peripheral device of a format change in said display device in response to a format change of said received digital stream.

means for shifting said bit-mapped data within said combined displayable image.

(a) receiving, from said peripheral device, a message indicative of the characteristics of a block of bit-mapped data stored in a memory device associated with said peripheral device, said bit-mapped data being associated with an on-screen display menu of said peripheral device;

(c) receiving, in response to said asynchronous read request command, said bit-mapped data from said peripheral device;

(e) combining said bit-mapped data received from said peripheral device and said digital stream to produce a combined displayable image, said combined image being representative of said on-screen display associated with said peripheral device.

9. The method of claim 8 wherein said data comprises a header and a bit-mapped update block, said header defining the parameters of said on-screen display menu and said bit-mapped update block defining the location and content of said menu.

AMENDED SHEET

